

Notice of Allowability	Application No.	Applicant(s)
	10/828,625	MEHTA ET AL.
	Examiner Tilahun B. Gesesse	Art Unit 2684

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address—

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 11/21/05.
- The allowed claim(s) is/are 1-4 and 6-8.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - All
 - Some*
 - None
 of the:
 - Certified copies of the priority documents have been received.
 - Certified copies of the priority documents have been received in Application No. _____.
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - hereto or 2) to Paper No./Mail Date _____.
 - including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
 Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

1. Computer program code
2. Duct tape
3. Glue
4. Saw blade
5. Glue gun
6. Glue
7. Saw blade
8. Glue
9. Saw blade
10. Glue
11. Saw blade
12. Glue
13. Saw blade
14. Glue
15. Saw blade
16. Glue
17. Saw blade
18. Glue
19. Saw blade
20. Glue
21. Saw blade
22. Glue
23. Saw blade
24. Glue
25. Saw blade
26. Glue
27. Saw blade
28. Glue
29. Saw blade
30. Glue
31. Saw blade
32. Glue
33. Saw blade
34. Glue
35. Saw blade
36. Glue
37. Saw blade
38. Glue
39. Saw blade
40. Glue
41. Saw blade
42. Glue
43. Saw blade
44. Glue
45. Saw blade
46. Glue
47. Saw blade
48. Glue
49. Saw blade
50. Glue
51. Saw blade
52. Glue
53. Saw blade
54. Glue
55. Saw blade
56. Glue
57. Saw blade
58. Glue
59. Saw blade
60. Glue
61. Saw blade
62. Glue
63. Saw blade
64. Glue
65. Saw blade
66. Glue
67. Saw blade
68. Glue
69. Saw blade
70. Glue
71. Saw blade
72. Glue
73. Saw blade
74. Glue
75. Saw blade
76. Glue
77. Saw blade
78. Glue
79. Saw blade
80. Glue
81. Saw blade
82. Glue
83. Saw blade
84. Glue
85. Saw blade
86. Glue
87. Saw blade
88. Glue
89. Saw blade
90. Glue
91. Saw blade
92. Glue
93. Saw blade
94. Glue
95. Saw blade
96. Glue
97. Saw blade
98. Glue
99. Saw blade
100. Glue
101. Saw blade
102. Glue
103. Saw blade
104. Glue
105. Saw blade
106. Glue
107. Saw blade
108. Glue
109. Saw blade
110. Glue
111. Saw blade
112. Glue
113. Saw blade
114. Glue
115. Saw blade
116. Glue
117. Saw blade
118. Glue
119. Saw blade
120. Glue
121. Saw blade
122. Glue
123. Saw blade
124. Glue
125. Saw blade
126. Glue
127. Saw blade
128. Glue
129. Saw blade
130. Glue
131. Saw blade
132. Glue
133. Saw blade
134. Glue
135. Saw blade
136. Glue
137. Saw blade
138. Glue
139. Saw blade
140. Glue
141. Saw blade
142. Glue
143. Saw blade
144. Glue
145. Saw blade
146. Glue
147. Saw blade
148. Glue
149. Saw blade
150. Glue
151. Saw blade
152. Glue
153. Saw blade
154. Glue
155. Saw blade
156. Glue
157. Saw blade
158. Glue
159. Saw blade
160. Glue
161. Saw blade
162. Glue
163. Saw blade
164. Glue
165. Saw blade
166. Glue
167. Saw blade
168. Glue
169. Saw blade
170. Glue
171. Saw blade
172. Glue
173. Saw blade
174. Glue
175. Saw blade
176. Glue
177. Saw blade
178. Glue
179. Saw blade
180. Glue
181. Saw blade
182. Glue
183. Saw blade
184. Glue
185. Saw blade
186. Glue
187. Saw blade
188. Glue
189. Saw blade
190. Glue
191. Saw blade
192. Glue
193. Saw blade
194. Glue
195. Saw blade
196. Glue
197. Saw blade
198. Glue
199. Saw blade
200. Glue
201. Saw blade
202. Glue
203. Saw blade
204. Glue
205. Saw blade
206. Glue
207. Saw blade
208. Glue
209. Saw blade
210. Glue
211. Saw blade
212. Glue
213. Saw blade
214. Glue
215. Saw blade
216. Glue
217. Saw blade
218. Glue
219. Saw blade
220. Glue
221. Saw blade
222. Glue
223. Saw blade
224. Glue
225. Saw blade
226. Glue
227. Saw blade
228. Glue
229. Saw blade
230. Glue
231. Saw blade
232. Glue
233. Saw blade
234. Glue
235. Saw blade
236. Glue
237. Saw blade
238. Glue
239. Saw blade
240. Glue
241. Saw blade
242. Glue
243. Saw blade
244. Glue
245. Saw blade
246. Glue
247. Saw blade
248. Glue
249. Saw blade
250. Glue
251. Saw blade
252. Glue
253. Saw blade
254. Glue
255. Saw blade
256. Glue
257. Saw blade
258. Glue
259. Saw blade
260. Glue
261. Saw blade
262. Glue
263. Saw blade
264. Glue
265. Saw blade
266. Glue
267. Saw blade
268. Glue
269. Saw blade
270. Glue
271. Saw blade
272. Glue
273. Saw blade
274. Glue
275. Saw blade
276. Glue
277. Saw blade
278. Glue
279. Saw blade
280. Glue
281. Saw blade
282. Glue
283. Saw blade
284. Glue
285. Saw blade
286. Glue
287. Saw blade
288. Glue
289. Saw blade
290. Glue
291. Saw blade
292. Glue
293. Saw blade
294. Glue
295. Saw blade
296. Glue
297. Saw blade
298. Glue
299. Saw blade
300. Glue
301. Saw blade
302. Glue
303. Saw blade
304. Glue
305. Saw blade
306. Glue
307. Saw blade
308. Glue
309. Saw blade
310. Glue
311. Saw blade
312. Glue
313. Saw blade
314. Glue
315. Saw blade
316. Glue
317. Saw blade
318. Glue
319. Saw blade
320. Glue
321. Saw blade
322. Glue
323. Saw blade
324. Glue
325. Saw blade
326. Glue
327. Saw blade
328. Glue
329. Saw blade
330. Glue
331. Saw blade
332. Glue
333. Saw blade
334. Glue
335. Saw blade
336. Glue
337. Saw blade
338. Glue
339. Saw blade
340. Glue
341. Saw blade
342. Glue
343. Saw blade
344. Glue
345. Saw blade
346. Glue
347. Saw blade
348. Glue
349. Saw blade
350. Glue
351. Saw blade
352. Glue
353. Saw blade
354. Glue
355. Saw blade
356. Glue
357. Saw blade
358. Glue
359. Saw blade
360. Glue
361. Saw blade
362. Glue
363. Saw blade
364. Glue
365. Saw blade
366. Glue
367. Saw blade
368. Glue
369. Saw blade
370. Glue
371. Saw blade
372. Glue
373. Saw blade
374. Glue
375. Saw blade
376. Glue
377. Saw blade
378. Glue
379. Saw blade
380. Glue
381. Saw blade
382. Glue
383. Saw blade
384. Glue
385. Saw blade
386. Glue
387. Saw blade
388. Glue
389. Saw blade
390. Glue
391. Saw blade
392. Glue
393. Saw blade
394. Glue
395. Saw blade
396. Glue
397. Saw blade
398. Glue
399. Saw blade
400. Glue
401. Saw blade
402. Glue
403. Saw blade
404. Glue
405. Saw blade
406. Glue
407. Saw blade
408. Glue
409. Saw blade
410. Glue
411. Saw blade
412. Glue
413. Saw blade
414. Glue
415. Saw blade
416. Glue
417. Saw blade
418. Glue
419. Saw blade
420. Glue
421. Saw blade
422. Glue
423. Saw blade
424. Glue
425. Saw blade
426. Glue
427. Saw blade
428. Glue
429. Saw blade
430. Glue
431. Saw blade
432. Glue
433. Saw blade
434. Glue
435. Saw blade
436. Glue
437. Saw blade
438. Glue
439. Saw blade
440. Glue
441. Saw blade
442. Glue
443. Saw blade
444. Glue
445. Saw blade
446. Glue
447. Saw blade
448. Glue
449. Saw blade
450. Glue
451. Saw blade
452. Glue
453. Saw blade
454. Glue
455. Saw blade
456. Glue
457. Saw blade
458. Glue
459. Saw blade
460. Glue
461. Saw blade
462. Glue
463. Saw blade
464. Glue
465. Saw blade
466. Glue
467. Saw blade
468. Glue
469. Saw blade
470. Glue
471. Saw blade
472. Glue
473. Saw blade
474. Glue
475. Saw blade
476. Glue
477. Saw blade
478. Glue
479. Saw blade
480. Glue
481. Saw blade
482. Glue
483. Saw blade
484. Glue
485. Saw blade
486. Glue
487. Saw blade
488. Glue
489. Saw blade
490. Glue
491. Saw blade
492. Glue
493. Saw blade
494. Glue
495. Saw blade
496. Glue
497. Saw blade
498. Glue
499. Saw blade
500. Glue
501. Saw blade
502. Glue
503. Saw blade
504. Glue
505. Saw blade
506. Glue
507. Saw blade
508. Glue
509. Saw blade
510. Glue
511. Saw blade
512. Glue
513. Saw blade
514. Glue
515. Saw blade
516. Glue
517. Saw blade
518. Glue
519. Saw blade
520. Glue
521. Saw blade
522. Glue
523. Saw blade
524. Glue
525. Saw blade
526. Glue
527. Saw blade
528. Glue
529. Saw blade
530. Glue
531. Saw blade
532. Glue
533. Saw blade
534. Glue
535. Saw blade
536. Glue
537. Saw blade
538. Glue
539. Saw blade
540. Glue
541. Saw blade
542. Glue
543. Saw blade
544. Glue
545. Saw blade
546. Glue
547. Saw blade
548. Glue
549. Saw blade
550. Glue
551. Saw blade
552. Glue
553. Saw blade
554. Glue
555. Saw blade
556. Glue
557. Saw blade
558. Glue
559. Saw blade
560. Glue
561. Saw blade
562. Glue
563. Saw blade
564. Glue
565. Saw blade
566. Glue
567. Saw blade
568. Glue
569. Saw blade
570. Glue
571. Saw blade
572. Glue
573. Saw blade
574. Glue
575. Saw blade
576. Glue
577. Saw blade
578. Glue
579. Saw blade
580. Glue
581. Saw blade
582. Glue
583. Saw blade
584. Glue
585. Saw blade
586. Glue
587. Saw blade
588. Glue
589. Saw blade
590. Glue
591. Saw blade
592. Glue
593. Saw blade
594. Glue
595. Saw blade
596. Glue
597. Saw blade
598. Glue
599. Saw blade
600. Glue
601. Saw blade
602. Glue
603. Saw blade
604. Glue
605. Saw blade
606. Glue
607. Saw blade
608. Glue
609. Saw blade
610. Glue
611. Saw blade
612. Glue
613. Saw blade
614. Glue
615. Saw blade
616. Glue
617. Saw blade
618. Glue
619. Saw blade
620. Glue
621. Saw blade
622. Glue
623. Saw blade
624. Glue
625. Saw blade
626. Glue
627. Saw blade
628. Glue
629. Saw blade
630. Glue
631. Saw blade
632. Glue
633. Saw blade
634. Glue
635. Saw blade
636. Glue
637. Saw blade
638. Glue
639. Saw blade
640. Glue
641. Saw blade
642. Glue
643. Saw blade
644. Glue
645. Saw blade
646. Glue
647. Saw blade
648. Glue
649. Saw blade
650. Glue
651. Saw blade
652. Glue
653. Saw blade
654. Glue
655. Saw blade
656. Glue
657. Saw blade
658. Glue
659. Saw blade
660. Glue
661. Saw blade
662. Glue
663. Saw blade
664. Glue
665. Saw blade
666. Glue
667. Saw blade
668. Glue
669. Saw blade
670. Glue
671. Saw blade
672. Glue
673. Saw blade
674. Glue
675. Saw blade
676. Glue
677. Saw blade
678. Glue
679. Saw blade
680. Glue
681. Saw blade
682. Glue
683. Saw blade
684. Glue
685. Saw blade
686. Glue
687. Saw blade
688. Glue
689. Saw blade
690. Glue
691. Saw blade
692. Glue
693. Saw blade
694. Glue
695. Saw blade
696. Glue
697. Saw blade
698. Glue
699. Saw blade
700. Glue
701. Saw blade
702. Glue
703. Saw blade
704. Glue
705. Saw blade
706. Glue
707. Saw blade
708. Glue
709. Saw blade
710. Glue
711. Saw blade
712. Glue
713. Saw blade
714. Glue
715. Saw blade
716. Glue
717. Saw blade
718. Glue
719. Saw blade
720. Glue
721. Saw blade
722. Glue
723. Saw blade
724. Glue
725. Saw blade
726. Glue
727. Saw blade
728. Glue
7

DETAILED ACTION

Status of claim

1. This is in response to applicant's amendment and response filed November 21, 2005, in which claim 5 has been deleted and claims 1-4,6-8 are pending .

After further search and thorough examination of the present application , and in view of applicant's amendment and response , claims 1-4 and 6-8 are found to be in condition for allowance.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance: the prior art does not teach space-time transmit diversity encoding a first of the M coded substreams into two space-time transmit diversity encoded output sub-streams, one space-time transmit diversity encoded output sub-stream to be transmitted by a corresponding one of two transmit antenna; demultiplexing each output substream into a plurality demultiplexed output streams multiplying each of the plurality of demultiplexed output streams by an orthogonal variable spreading factors' adding the demultiplexed output bitstreams for each ouput stream after multiplication into a summed output stream corresponding to each output stream; and multiplying each summed output stream by a scrambling code; and transmitting directly each other coded sub-stream by a corresponding single transmit antenna.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2684

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882.

The Central FAX Number will change to 571-273-8300. This new Central FAX Number is the result of relocating the Central FAX server to the Office's Alexandria, Virginia campus.

CENTRALIZED DELIVERY POLICY: For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-uspto.gov>. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

17/05
THIERRY GESSE
PRIMARY EXAMINER
Tchib